

REMARKS

Applicants believe no new matter has been introduced by the above amendments and respectfully request that the amendments be entered.

The specification is amended herein to correct minor typographical errors and to conform the specification to the drawings. The amendments, therefore, do not add new matter to the specification. Support is found in the specification as originally filed, e.g., on page 18, lines 1-2.

Claim 113 is amended herein to correct a typographical error regarding claim dependency and adds no new matter to the application.

The amendments to the drawings are made herein to correct minor errors in the original drawings. For example, in the legend for Figure 4, "R2A3-48" was changed to --A3-48/wt-p35-- and "Wt" was changed to --wt-p40/wt-p35--. Support for this correction is found in the specification as originally filed, e.g., at page 18, lines 19-21, in the original description of Figure 4. Similar changes were made to Figures 7 and 10, which are also supported in the descriptions of the Figures in the specification as originally filed, e.g., at page 19, lines 6-8 and line 21. In Figure 9, the X-axis label was changed from nanograms/ml to picograms/ml for easier readability and the numerical values were changed to correspond to the unit change. The label for the Y-axis was changed to read "IFN-gamma" because "gamma" was inadvertently obscured in the original drawings. Support is found, e.g., on page 20, line 6, describing Figure 13.

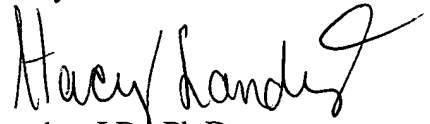
Therefore, no new matter is added to the specification by the new claims and Applicants respectfully request that the claims be entered.

CONCLUSION

In view of the foregoing, Applicants believe that no new matter has been introduced. Early examination on the merits is respectfully requested. If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 510-337-7871.

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Respectfully submitted,

A handwritten signature in black ink, appearing to read "Stacy Landry", with a stylized flourish at the end.

Stacy Landry, J.D., Ph.D.  
Reg. No. 42,779

Marked up Copy Showing Claim Amendments

113. (Amended) The cell of claim [26] 112, wherein the cell expresses a polypeptide encoded by the nucleic acid.

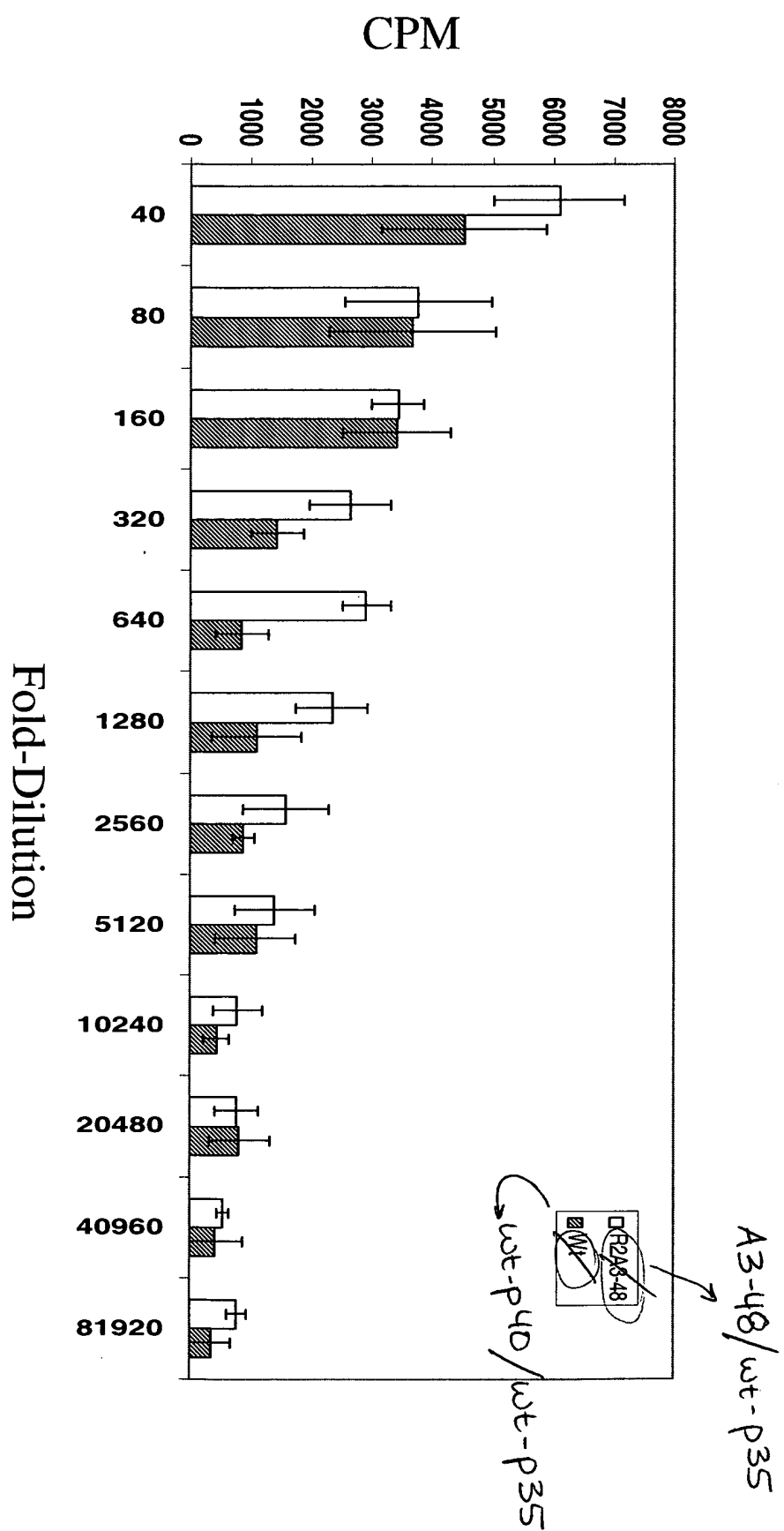


Fig. 4

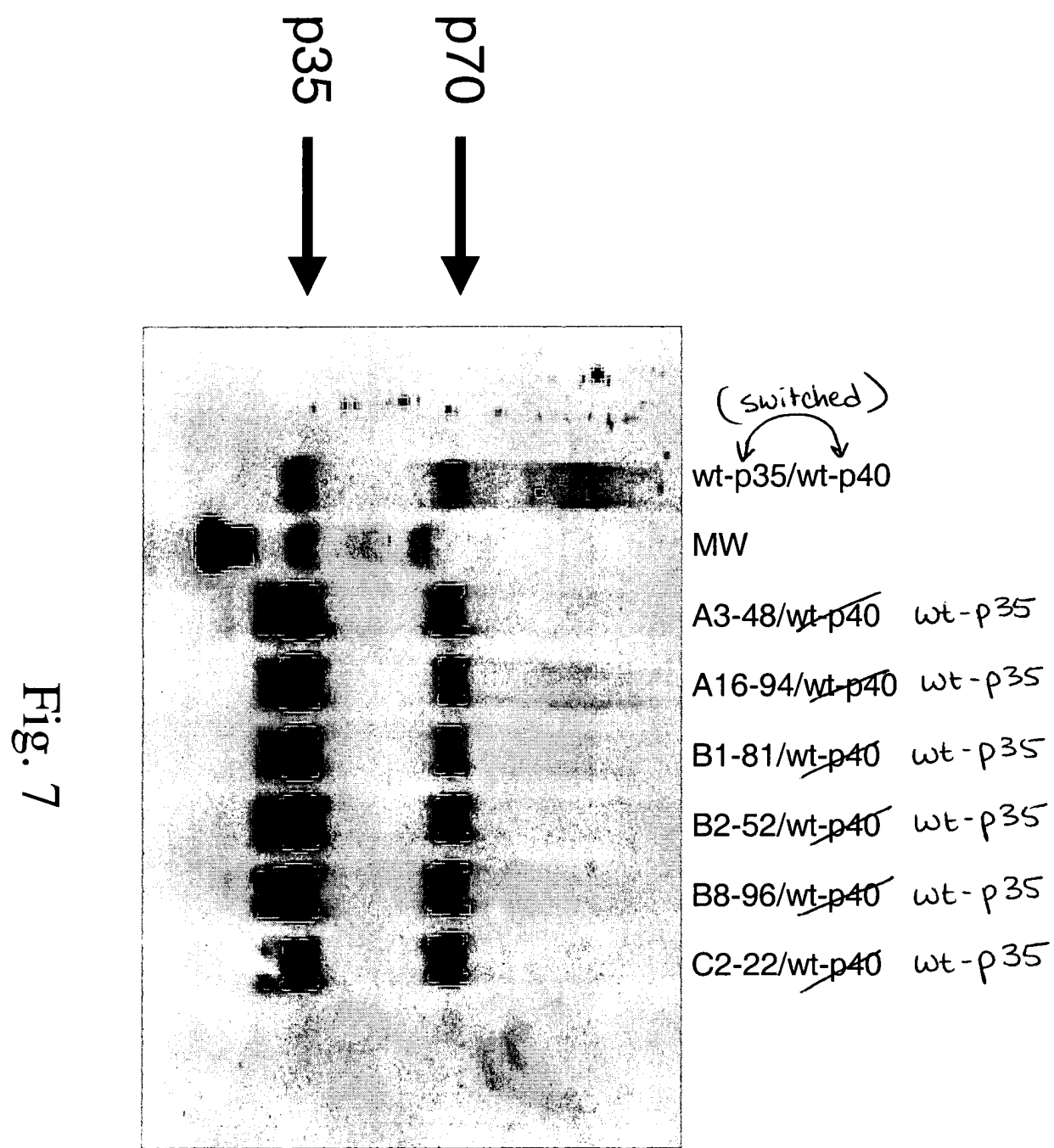


Fig. 7

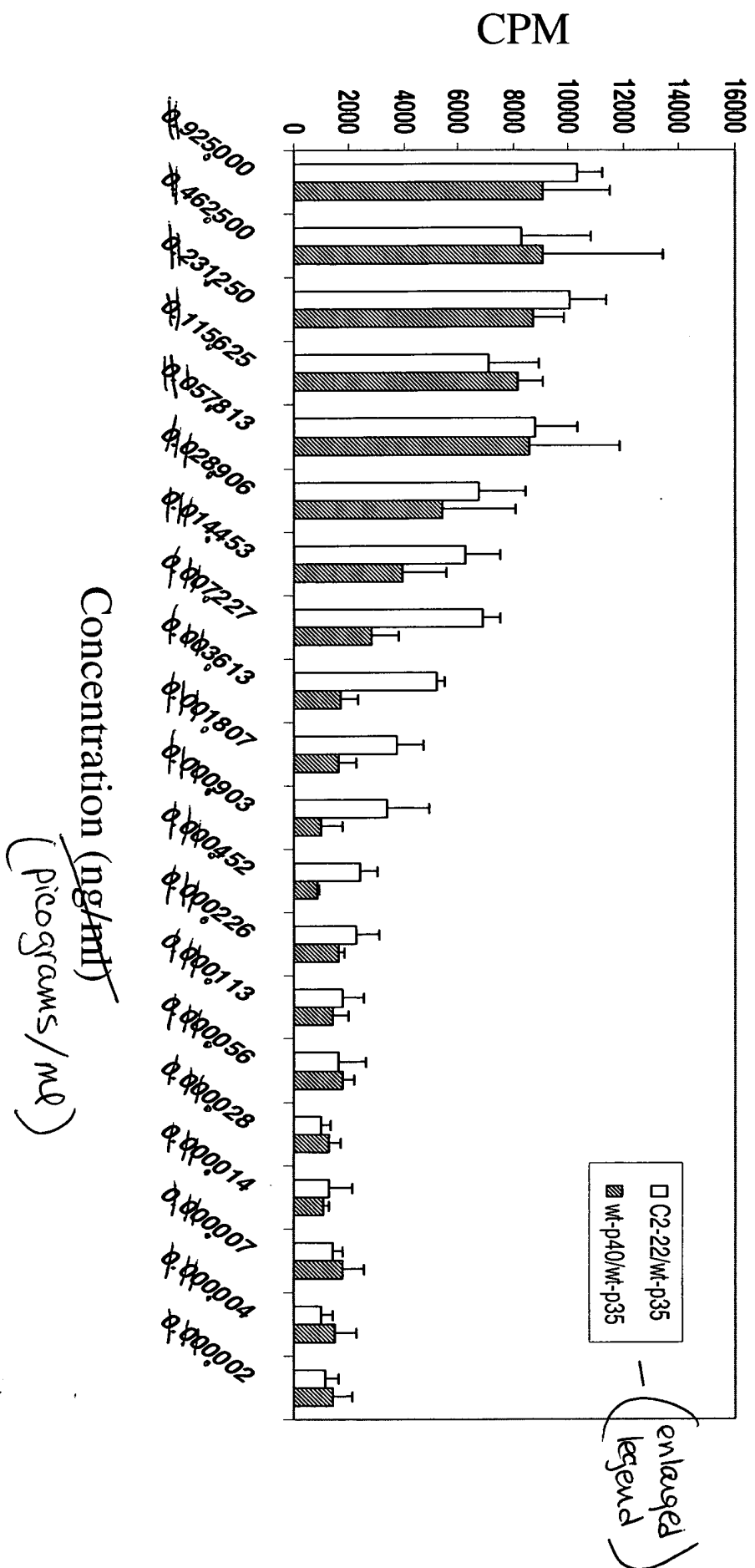


Fig. 9

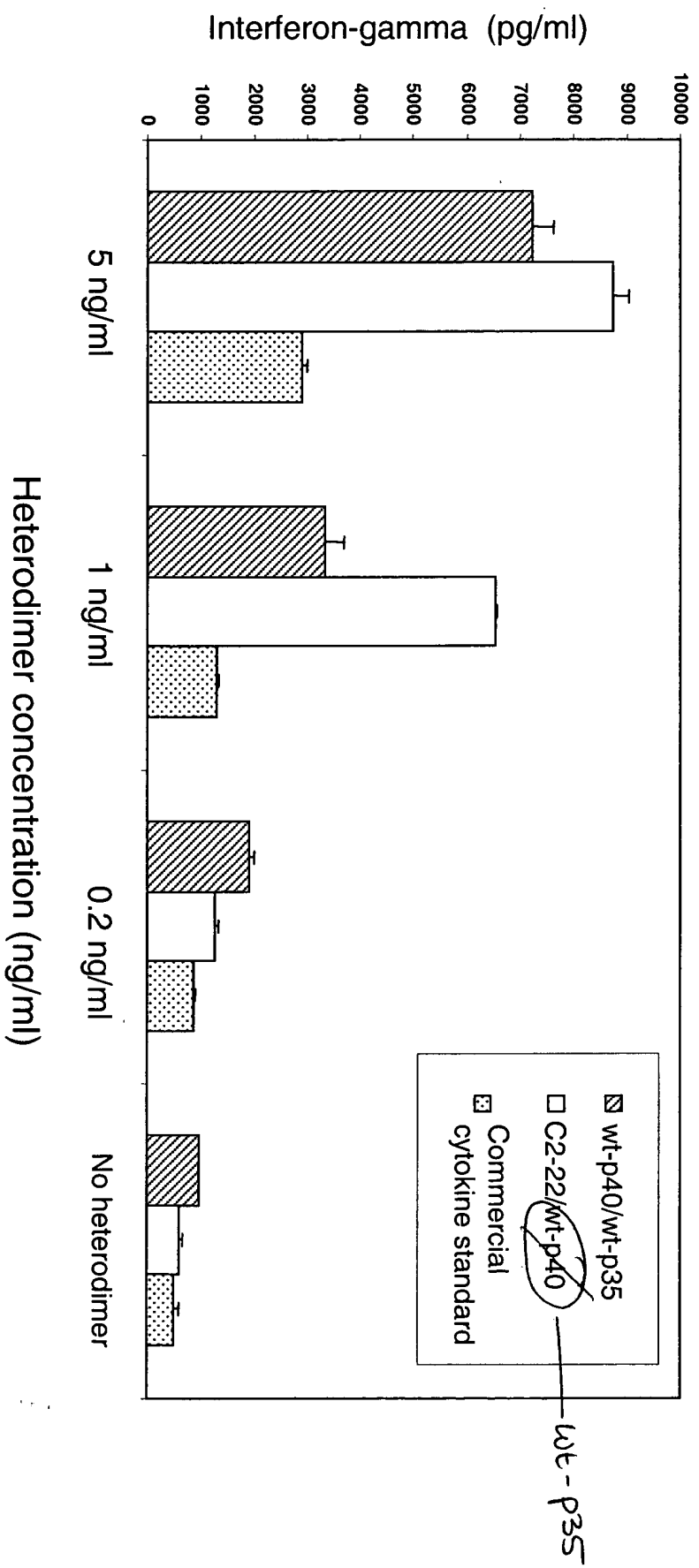


Fig. 10

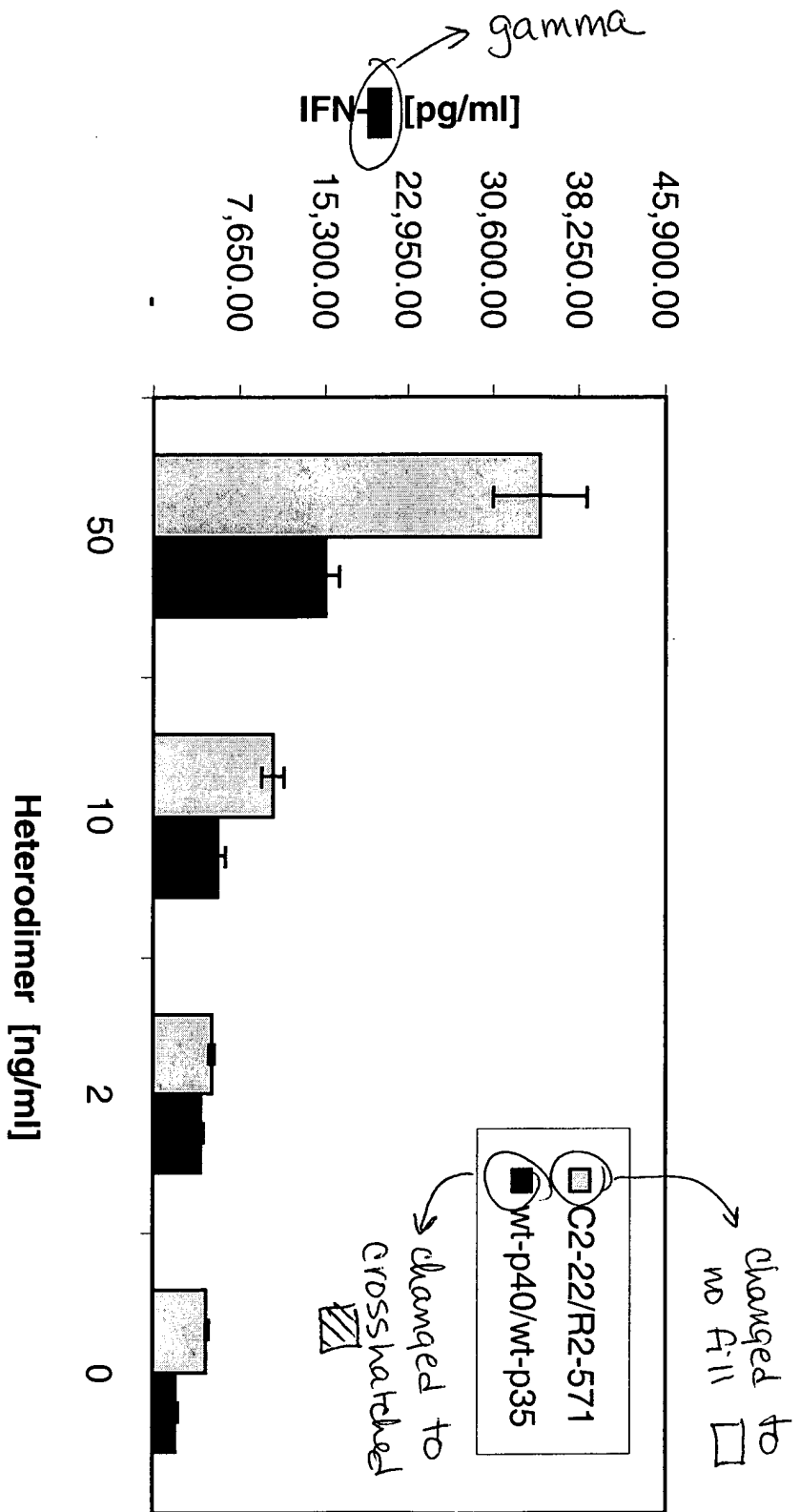


Fig. 13





1 22/23 70  
SEQ 15 (1) MCHQQLVISWFSLVFLASPLVAIWELKKDVVYVELDWYDPAPGEMVVLTCDTPEEDGITWTLDQSSSEVLG  
SEQ 08 (1) MCHQQLVISWFSLVFLASPLVAIWELKKDVVYVELDWYDPAPGEMVVLTCDTPEEDGITWTLDQSSSEVLG  
SEQ 09 (1) MCHQQLVISWFSLVFLASPLVAIWELKKDVVYVELDWYDPAPGEMVVLACDTPEEDGITWTLDQSSSEVLG  
SEQ 10 (1) MCHQQLVISWFSLVFLASPLVAIWELKKDVVYVELDWYDPAPGEMVVLACDTPEEDGITWTLDQSSSEVLG  
SEQ 11 (1) MCHQQLVISWFSLVFLASPLVAIWELKKDVVYVELDWYDPAPGEMVVLACDTPEEDGITWTLDQSSSEVLG  
SEQ 12 (1) MCHQQLVISWFSLVFLASPLVAIWELKKDVVYVELDWYDPAPGEMVVLACDTPEEDGITWTLDQSSSEVLG  
SEQ 13 (1) MCHQQLVISWFSLVFLASPLVAIWELKKDVVYVELDWYDPAPGEMVVLACDTPEEDGITWTLDQSSSEVLG  
SEQ 14 (1) MCHQQLVISWFSLVFLASPLVAIWELKKDVVYVELDWYDPAPGEMVVLACDTPEEDGITWTLDQSSSEVLG  
71 140  
SEQ 15 (71) SGKTLTIQVKEFGDAGQYTCCHKGGEVLSHLLLLLHKKEDGIWSTDILKDQKEPKNKTFLRCEAKNYSGRF  
SEQ 08 (71) TGKTLTIHVKEFGDAGQYTCCHKGGEVLSHLLLLLHKKEDGIWSTDILKDQKEPKNKSFLLRCEAKNYSGRF  
SEQ 09 (71) TGKTLTIHVKEFGDAGQYTCCHKGGEVLSHLLLLLHKKEDGIWSTDILKDQKEPKNKSFLLRCEAKNYSGRF  
SEQ 10 (71) TGKTLTIHVKEFGDAGQYTCCHKGGEVLSHLLLLLHKKEDGIWSTDILKDQKEPKNKSFLLRCEAKNYSGRF  
SEQ 11 (71) TGKTLTIHVKEFGDAGQYTCCHKGGEVLSHLLLLLHKKEDGIWSTDILKDQKEPKNKSFLLRCEAKNYSGRF  
SEQ 12 (71) TGKTLTIHVKEFGDAGQYTCCHKGGEVLSHLLLLLHKKEDGIWSTDILKDQKEPKNKSFLLRCEAKNYSGRF  
SEQ 13 (71) TGKTLTIHVKEFGDAGQYTCCHKGGEVLSHLLLLLHKKEDGIWSTDILKDQKEPKNKSFLLRCEAKNYSGRF  
SEQ 14 (71) TGKTLTIHVKEFGDAGQYTCCHKGGEVLSHLLLLLHKKEDGIWSTDILKDQKEPKNKSFLLRCEAKNYSGRF  
141 209  
SEQ 15 (141) TCWWLTTISTDLTF SVKSSRGSSDPQGVTCGAATLSAERVGDN-KEYEYSVEQEDSACPAAEESLPIE  
SEQ 08 (141) TCWWLTTISTDLTF SVKSSRGSSDPQGVTCGAATLSAERVGDN-KEYEYSVEQEDSACPAAEESLPIE  
SEQ 09 (141) TCWWLTTISTDLTF SVKSSRGSSDPQGVTCGAATLSAERVGDN-KEYEYSVEQEDSACPAAEESLPIE  
SEQ 10 (141) TCWWLTTISTDLTF SVKSSRGSSDPQGVTCGAATLSAERVGDN-KEYEYSVEQEDSACPAAEESLPIE  
SEQ 11 (141) TCWWLTTISTDLTF SVKSSRGSSDPQGVTCGAATLSAERVGDN-KEYEYSVEQEDSACPAAEESLPIE  
SEQ 12 (141) TCWWLTTISTDLTF SVKSSRGSSDPQGVTCGAATLSAERVGDN-KEYEYSVEQEDSACPAAEESLPIE  
SEQ 13 (141) TCWWLTTISTDLTF SVKSSRGSSDPQGVTCGAATLSAERVGDN-KEYEYSVEQEDSACPAAEESLPIE  
SEQ 14 (141) TCWWLTTISTDLTF SVKSSRGSSDPQGVTCGAATLSAERVGDN-KEYEYSVEQEDSACPAAEESLPIE

Fig. 1A

SEQ 15	(210)	VMVDAVHKLK	YENYTS	SSFF	FIRDI	IKPD	PPKNL	QLKPL	KNSRQ	VEVSWE	YPDT	TWST	PHSYF	SLT	FCVQ	VQVQ	279
SEQ 08	(206)	VMEAVHKLK	YENYTS	SSFF	FIRDI	IKPD	PPKNL	QLKPL	KNSRH	VEVSWG	YPDT	TWST	PHSYF	SLT	FCVQ	VQVQ	
SEQ 09	(211)	VMEAVHKLK	YENYTS	SSFF	FIRDI	IKPD	PPKNL	QLKPL	KNSRQ	VEVW	WEYPDT	TWST	PHSYF	SLT	FCVQ	VQVQ	
SEQ 10	(211)	VVDAVHKLK	YENYTS	SSFF	FIRDI	IKPD	PPKNL	QLKPL	KNSRQ	VEVW	WEYPDT	TWST	PHSYF	SLT	FCVQ	VQVQ	
SEQ 11	(211)	VVDAVHKLK	YENYTS	SSFF	FIRDI	IKPD	PPKNL	QLKPL	KNSRH	VEISWE	YPDT	TWST	PHSYF	SLT	FCVQ	VQVQ	
SEQ 12	(206)	VMEAVHKLK	YENYTS	SSFF	FIRDI	IKPD	PPKNL	QLKPL	KNSRQ	VEVW	WEYPDT	TWST	PHSYF	SLT	FCVQ	VQVQ	
SEQ 13	(206)	VMEAVHKLK	YENYTS	SSFF	FIRDI	IKPD	PPKNL	QLKPL	KNSRH	VEVSW	YPDT	TWST	PHSYF	SLT	FCVQ	VQVQ	
SEQ 14	(211)	VVDAVHKLK	YENYTS	SSFF	FIRDI	IKPD	PPKNL	QLKPL	KNSRH	VEISWE	YPDT	TWST	PHSYF	SLT	MFVQ	VQVQ	

SEQ 15	(280)	KSKREKKDR	VSFTDK	TSAT	VICR	KNAS	ISVRA	QDRY	YSSSW	SEWASV	PSCS	--	328
SEQ 08	(276)	KSKREKKDR	VSFTDK	TSAT	VICR	KNAK	IRVQ	ARDY	YSSSW	SEWASV	PSCS	--	
SEQ 09	(281)	KNKREKK	LFMD	OTS	AKV	CHK	DAK	IRVQ	ARDY	YSSSW	SEWASV	PSCS	--
SEQ 10	(281)	KNKREKK	LFMD	OTS	AKV	CHK	DAK	IRVQ	ARDY	YSSSW	SEWASV	PSCS	--
SEQ 11	(281)	KNKREKK	LFMD	OTS	AKV	CHK	DAK	IRVQ	ARDY	YSSSW	SEWASV	PSCS	--
SEQ 12	(276)	KNKREKK	LFMD	OTS	AKV	CHK	DAK	IRVQ	ARDY	YSSSW	SEWASV	PSCS	--
SEQ 13	(276)	KNKREDR	LFMD	OTS	AKV	CHK	DAK	IRVQ	ARDY	YSSSW	SEWASV	SLQSV	
SEQ 14	(281)	KNKREKKDR	LSV	DKTS	AKV	CHK	DAK	IRVQ	ARDY	YSSSW	SEWASV	PSCS	--

Fig. 1B

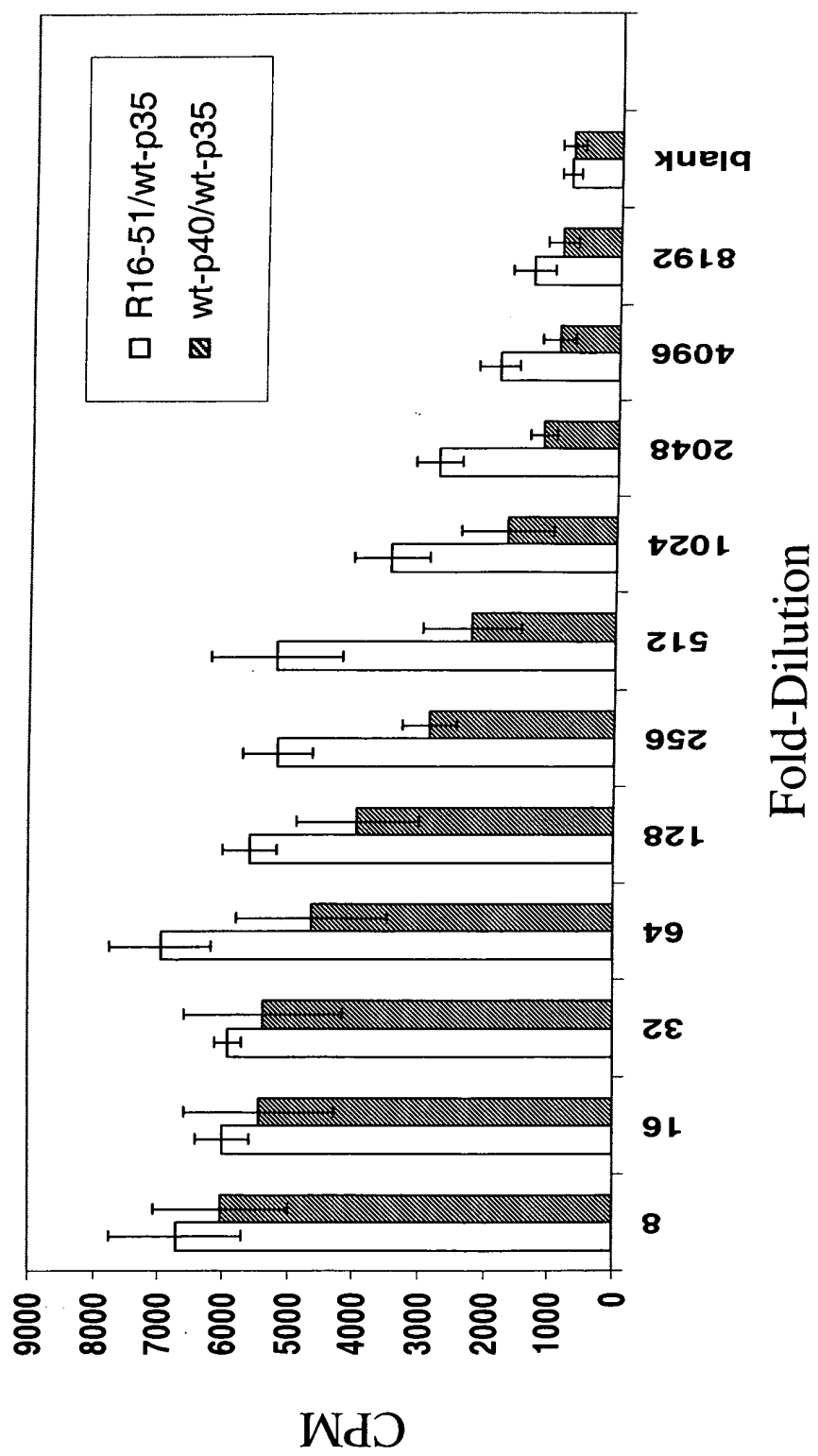


Fig. 2

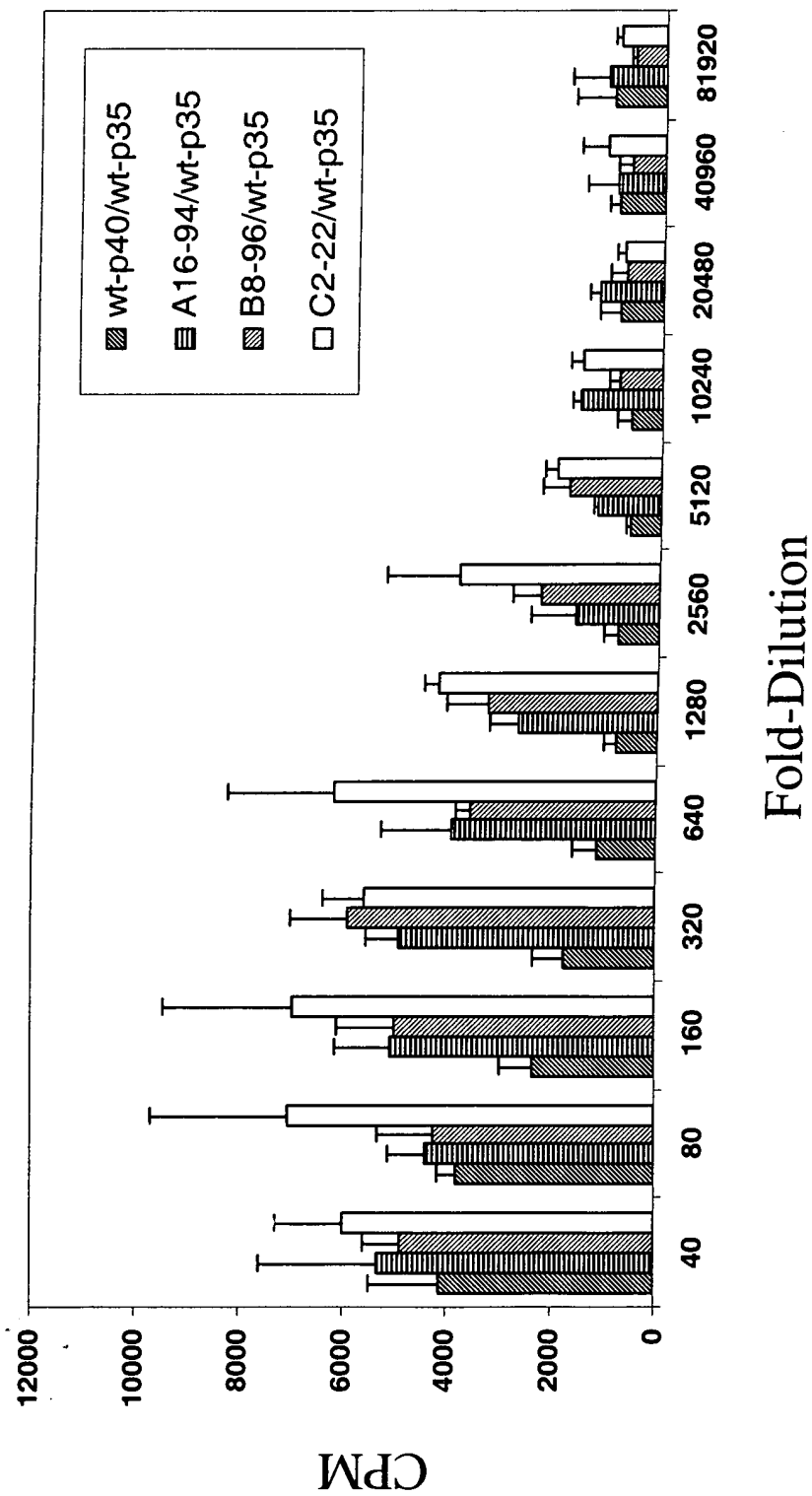


Fig. 3

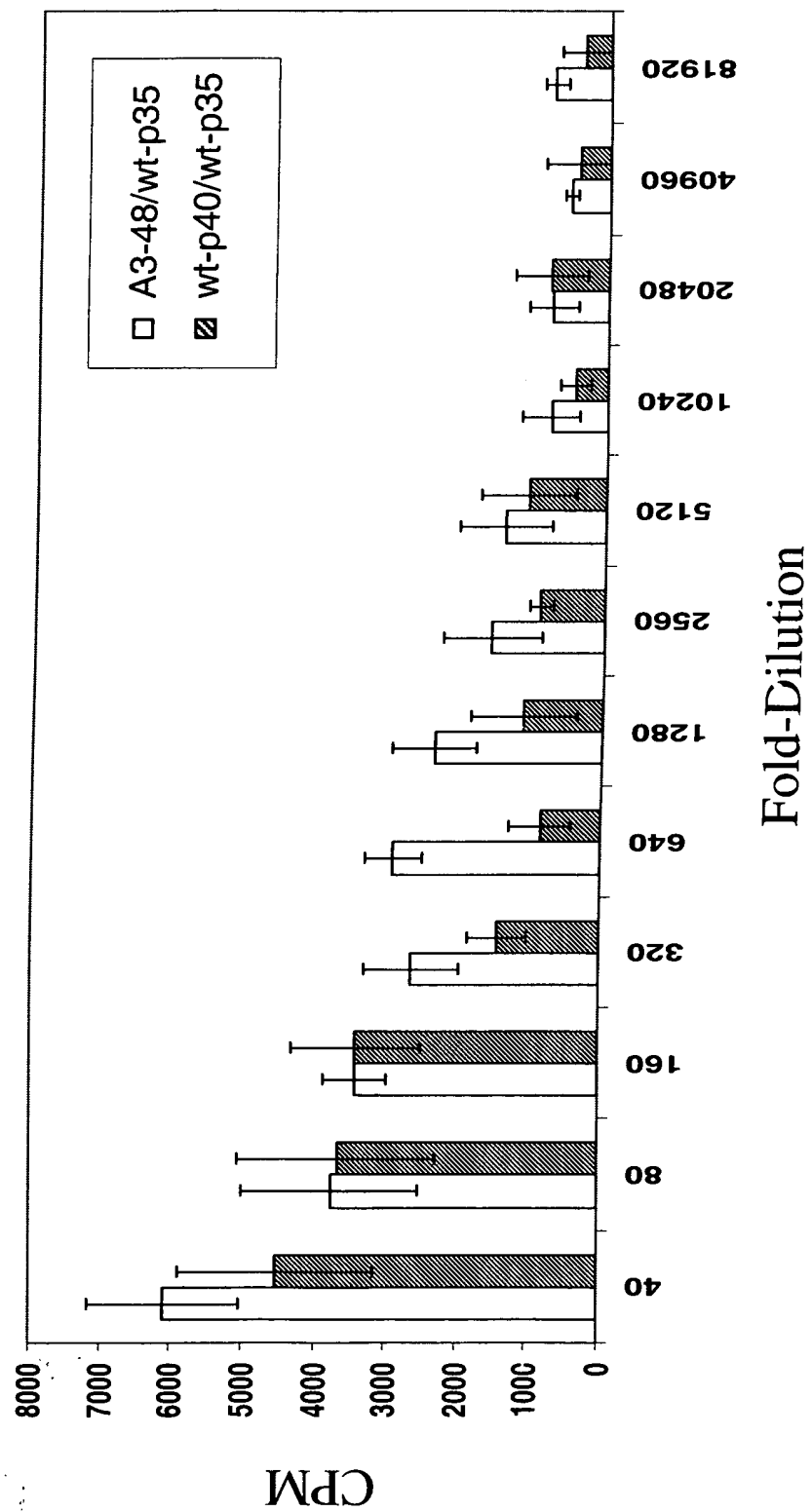


Fig. 4

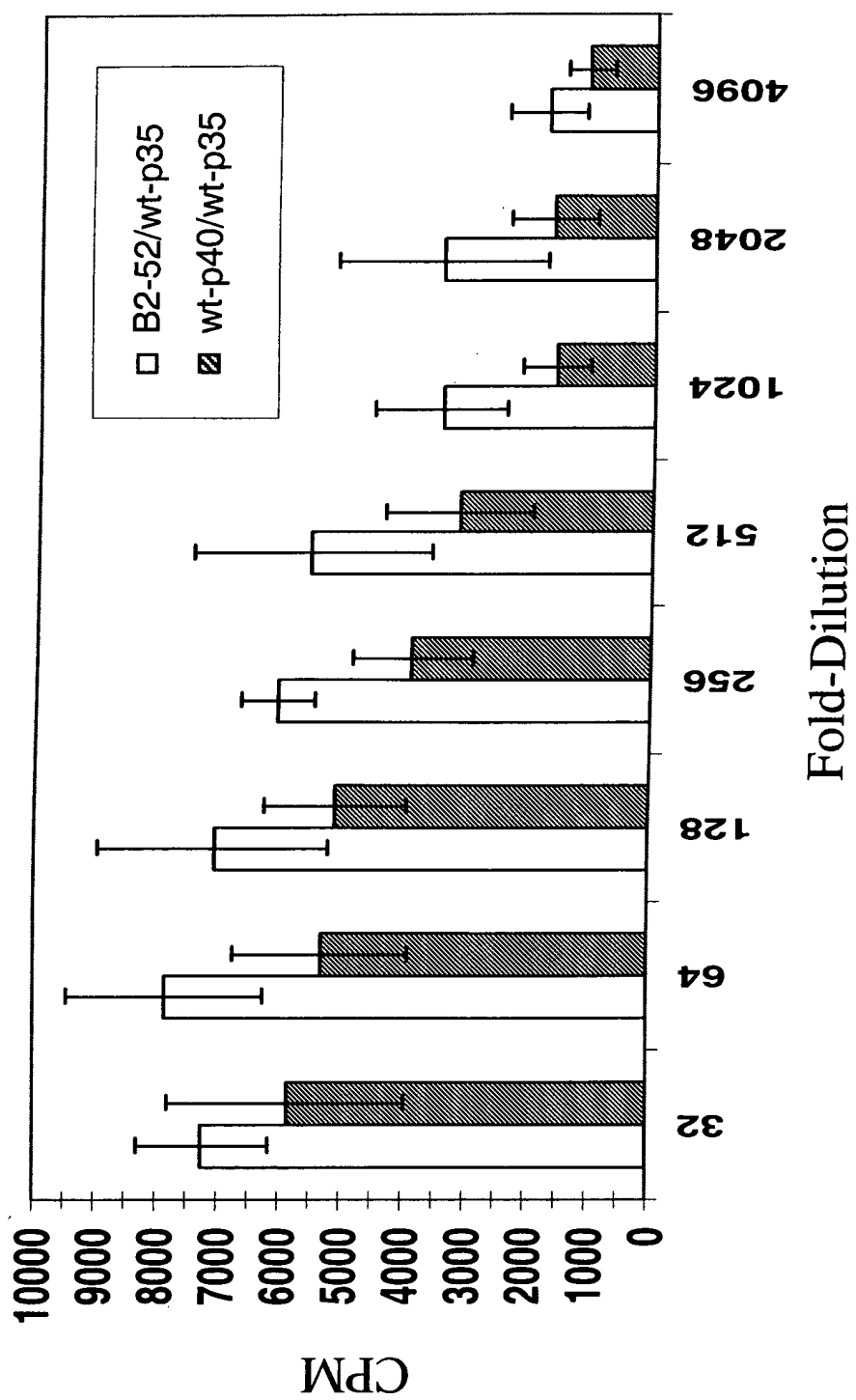


Fig. 5

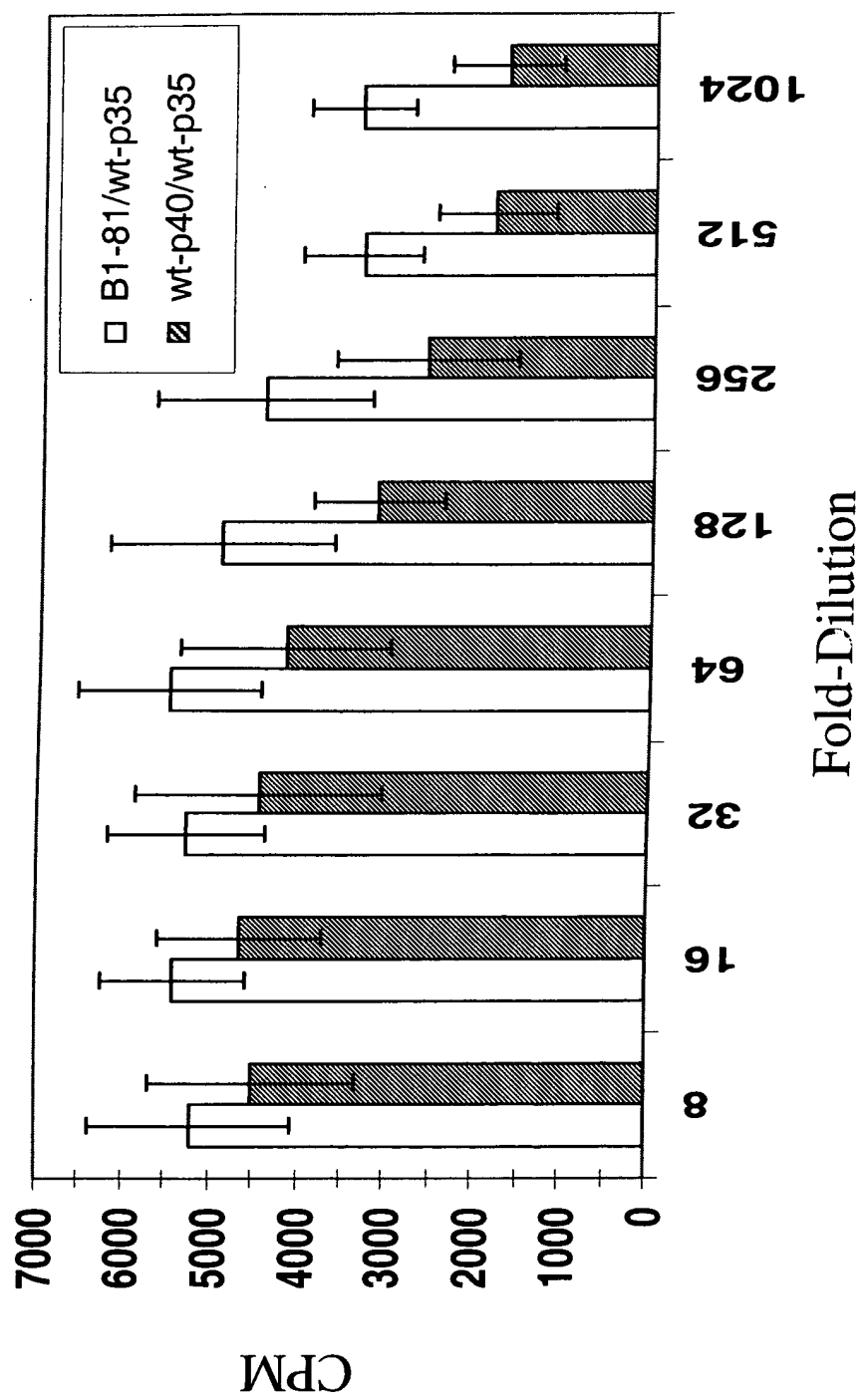


Fig. 6

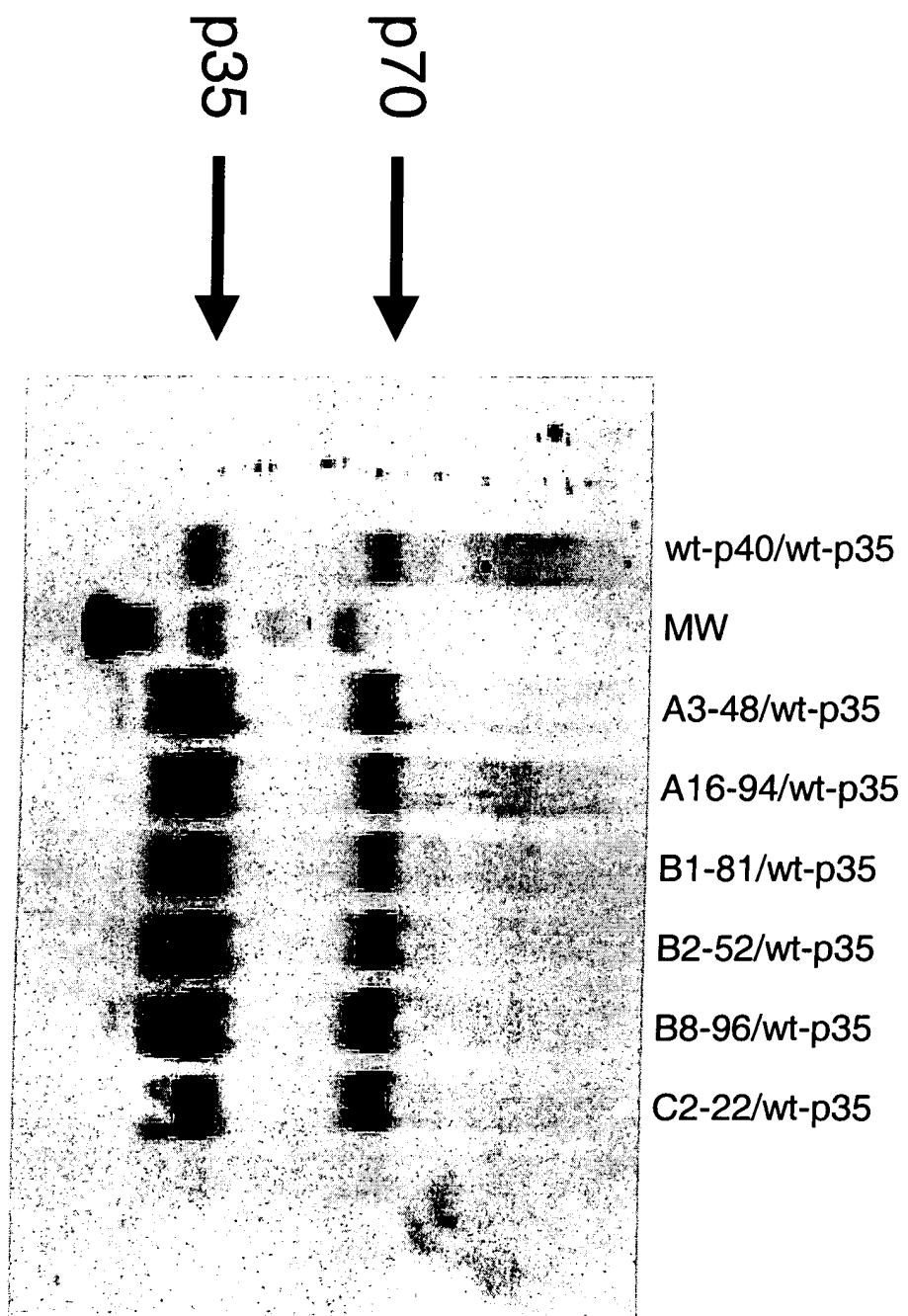


Fig. 7



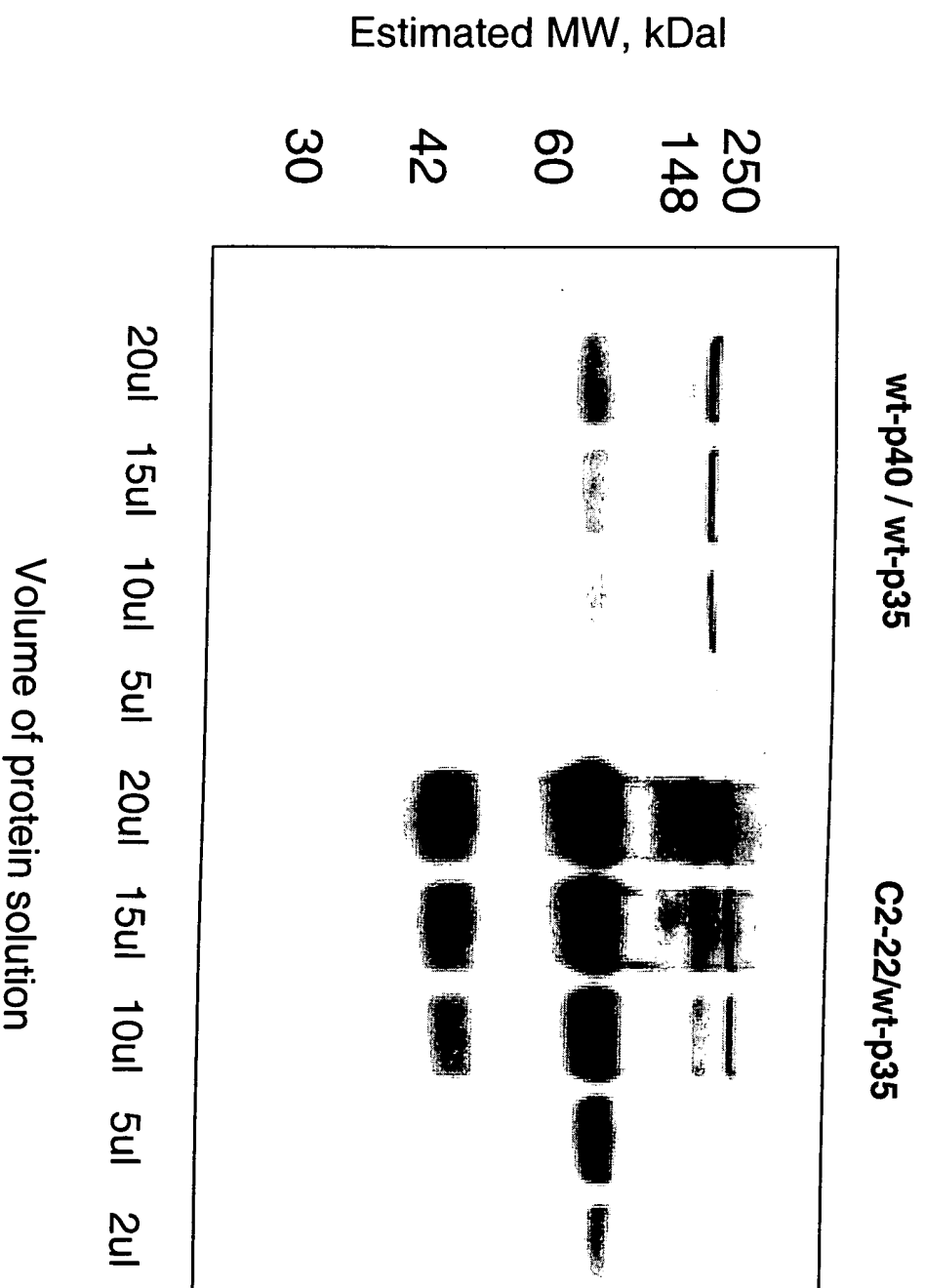
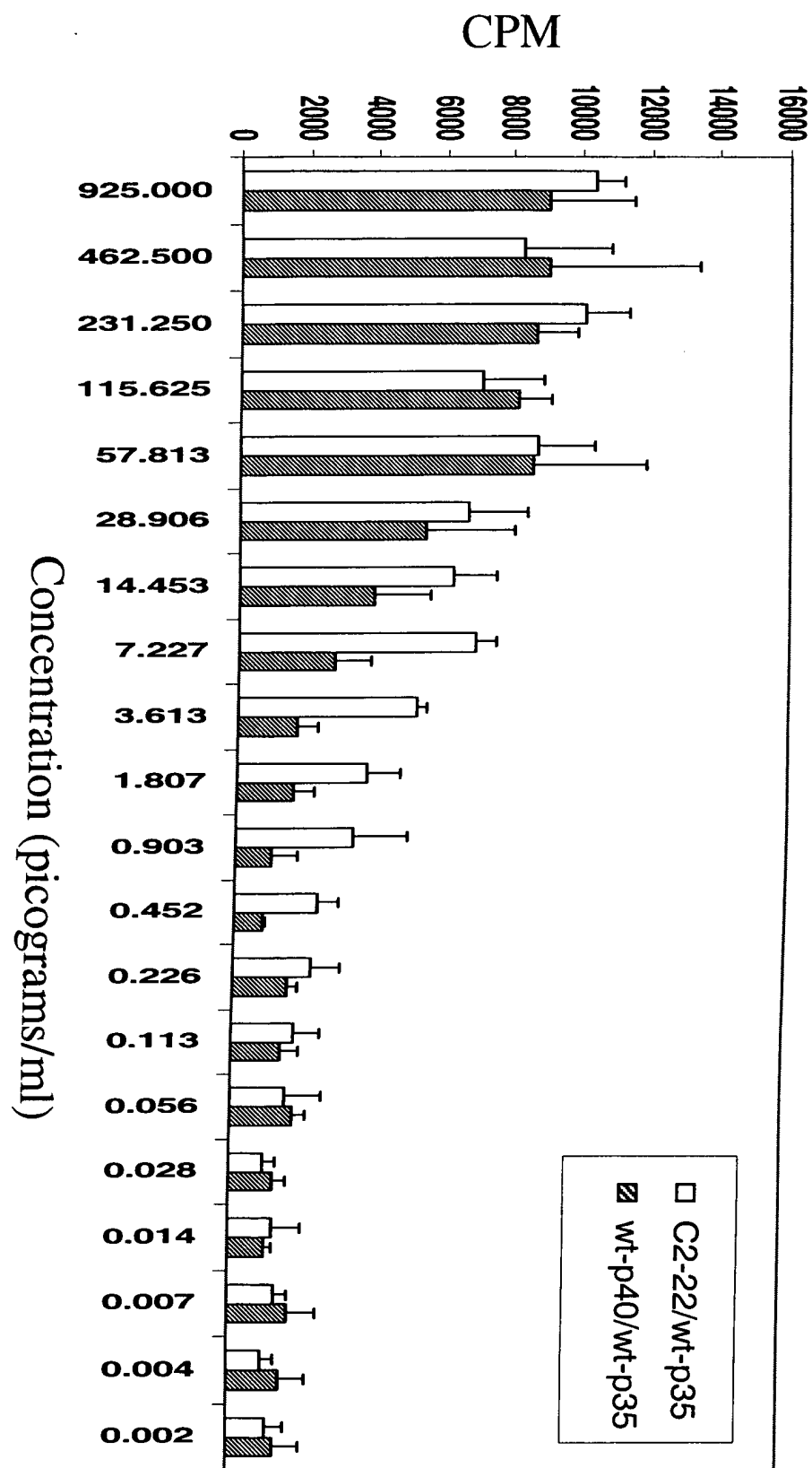


Fig. 8



**Fig. 9**

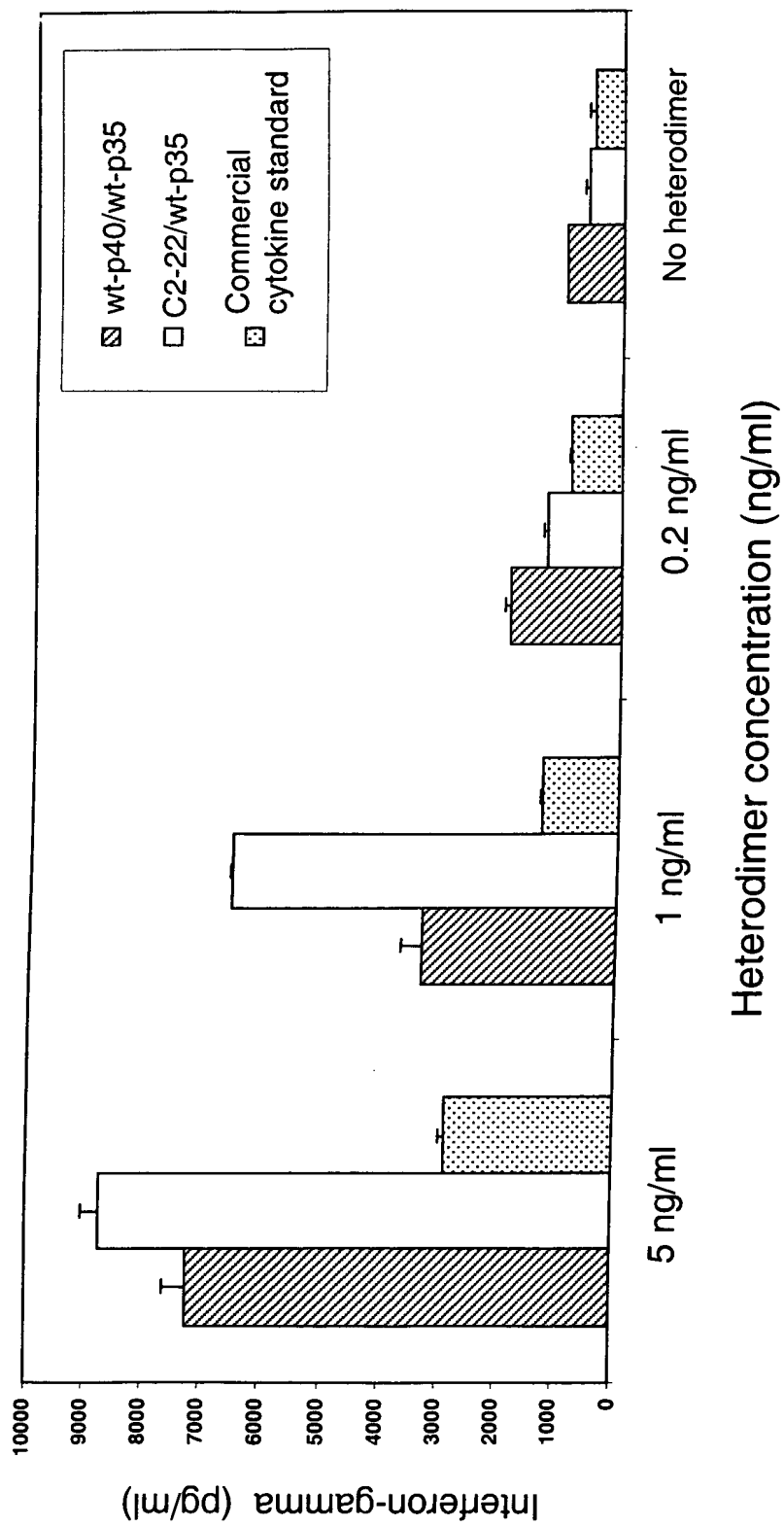


Fig. 10



1 2223 67  
SEQ\_36 (1) MCPARSLLLAVATLVLLDHL---SLARNLPVATPDPGMPCLHHSQNLLRAVSNMLQKARQTLFYPCTSE  
SEQ\_26 (1) MCPARSLLLISITLVLLHHLPHLSLGRSLPTTASPGRSCLDYSONLLKAAASNMLQKARQTLFYPCTSE  
SEQ\_27 (1) MPPARSLLLISITLVLLHHLPHLSLGRSLPTTASPGRSCLDYSONLLKAAASNMLQKARQTLFYPCTSE  
SEQ\_28 (1) MCPARSLLLAVATLVLLDHL---SLARNLPVATPDPGMPCLHHSQNLLRAVSNMLQKARQTLFYPCTSE  
SEQ\_29 (1) MCPARSLLLAVATLVLLDHL---SLARNLPVATPDPGMPCLHHSQNLLRAVSNMLQKARQTLFYPCTSE  
SEQ\_30 (1) MCPARSLLLAVATLVLLDHL---SLARNLPVATPDPGMPCLHHSQNLLRAVSNMLQKARQTLFYPCTSE  
SEQ\_31 (1) MCPARSLLLAVATLVLLDHL---SLARNLPVATPDPGMPCLHHSQNLLRAVSNMLQKARQTLFYPCTSE  
SEQ\_32 (1) MCPARSLLLAVATLVLLDHL---SLARNLPVATPDPGMPCLHHSQNLLRAVSNMLQKARQTLFYPCTSE  
SEQ\_33 (1) MCPARSLLLAVATLVLLDHL---SLARNLPVATPDPGMPCLHHSQNLLRAVSNMLQKARQTLFYPCTSE  
SEQ\_34 (1) MCPARSLLLAVATLVLLDHL---SLARNLPVATPDPGMPCLHHSQNLLRAVSNMLQKARQTLFYPCTSE  
SEQ\_35 (1) MCPARSLLLAVATLVLLDHL---SLARNLPVATPDPGMPCLHHSQNLLRAVSNMLQKARQTLFYPCTSE

68 137  
SEQ\_36 (68) EIDHEDITKDKTSTVEACLPLELTKNESCLNSRETSTFTNGSCLASRKTSMMLCLSSIIYEDLKMYQVE  
SEQ\_26 (70) EIDHEDITKDKTSTVEACLPLELATNESCLASRETSTFTNGSCLASRKTSMMLCLSSIIYEDLKMYQVE  
SEQ\_27 (70) EIDHEDITKDKTSTVEACLPLELATNESCLASRETSTFTNGSCLASRKTSMMLCLSSIIYEDLKMYQVE  
SEQ\_28 (68) EIDHEDITKDKTSTVEACLPLELTKNESCLNSRETSTFTNGSCLASRKTSMMLCLSSIIYEDLKMYQVE  
SEQ\_29 (68) EIDHEDITKDKTSTVEACLPLELATNESCLASRETSTFTNGSCLASRKTSMMLCLSSIIYEDLKMYQVE  
SEQ\_30 (68) EIDHEDITKDKTSTVEACLPLELTKNESCLNSRETSTFTNGSCLASRKTSMMLCLSSIIYEDLKMYQVE  
SEQ\_31 (68) EIDHEDITKDKTSTVEACLPLELATNESCLASRETSTFTNGSCLASRKTSMMLCLSSIIYEDLKMYQVE  
SEQ\_32 (68) EIDHEDITKDKTSTVEACLPLELTKNESCLNSRETSTFTNGSCLASRKTSMMLCLSSIIYEDLKMYQVE  
SEQ\_33 (68) EIDHEDITKDKTSTVEACLPLELATNESCLASRETSTFTNGSCLASRKTSMMLCLSSIIYEDLKMYQVE  
SEQ\_34 (68) EIDHEDITKDKTSTVEACLPLELATNESCLASRETSTFTNGSCLASRKTSMMLCLSSIIYEDLKMYQVE  
SEQ\_35 (68) EIDHEDITKDKTSTVEACLPLELTKNESCLNSRETSTFTNGSCLASRKTSMMLCLSSIIYEDLKMYQVE

Fig. 11A

SEQ_36	(138)	FKTMNAKLLMDPKRQIFLDQNNMLAVIDELMQALNFNSETVPOKSSLEEDFYKTKIKLCILLHAFRIRAV	207
SEQ_26	(140)	FKTMNAKLLMDPKRQIFLDQNNMLAVIDELMQALNFNSETVPOKSSLEEDFYKTKIKLCILLHAFRIRAV	
SEQ_27	(140)	FKTMNAKLLMDPKRQIFLDQNNMLAVIDELMQALNFNSETVPOKSSLEEDFYKTKIKLCILLHAFRIRAV	
SEQ_28	(138)	FKTMNAKLLMDPKRQIFLDQNNMLAVIDELMQALNFNSETVPOKSSLEEDFYKTKIKLCILLHAFRIRAV	
SEQ_29	(138)	FKTMNAKLLMDPKRQIFLDQNNMLAVIDELMQALNFNSETVPOKSSLEEDFYKTKIKLCILLHAFRIRAV	
SEQ_30	(138)	FKTMNAKLLMDPKRQIFLDQNNMLAVIDELMQALNFNSETVPOKSSLEEDFYKTKIKLCILLHAFRIRAV	
SEQ_31	(138)	FKTMNAKLLMDPKRQIFLDQNNMLAVIDELMQALNFNSETVPOKSSLEEDFYKTKIKLCILLHAFRIRAV	
SEQ_32	(138)	FKTMNAKLLMDPKRQIFLDQNNMLAVIDELMQALNFNSETVPOKSSLEEDFYKTKIKLCILLHAFRIRAV	
SEQ_33	(138)	FKTMNAKLLMDPKRQIFLDQNNMLAVIDELMQALNFNSETVPOKSSLEEDFYKTKIKLCILLHAFRIRAV	
SEQ_34	(138)	FKTMNAKLLMDPKRQIFLDQNNMLAVIDELMQALNFNSETVPOKSSLEEDFYKTKIKLCILLHAFRIRAV	
SEQ_35	(138)	FKTMNAKLLMDPKRQIFLDQNNMLAVIDELMQALNFNSETVPOKSSLEEDFYKTKIKLCILLHAFRIRAV	

SEQ_36	(208)	TIDRVTSYLNAS	208
SEQ_26	(210)	TIDRMMSYLNGS	219
SEQ_27	(210)	TIDRMMSYLNGS	
SEQ_28	(208)	TIDRMMSYLNGS	
SEQ_29	(208)	TIDRMMSYLNGS	
SEQ_30	(208)	TIDRMMSYLNGS	
SEQ_31	(208)	TIDRMMSYLNGS	
SEQ_32	(208)	TIDRMMSYLNGS	
SEQ_33	(208)	TIDRMMSYLNGS	
SEQ_34	(208)	TIDRMMSYLNGS	
SEQ_35	(208)	TIDRMMSYLNGS	

Fig. 11B

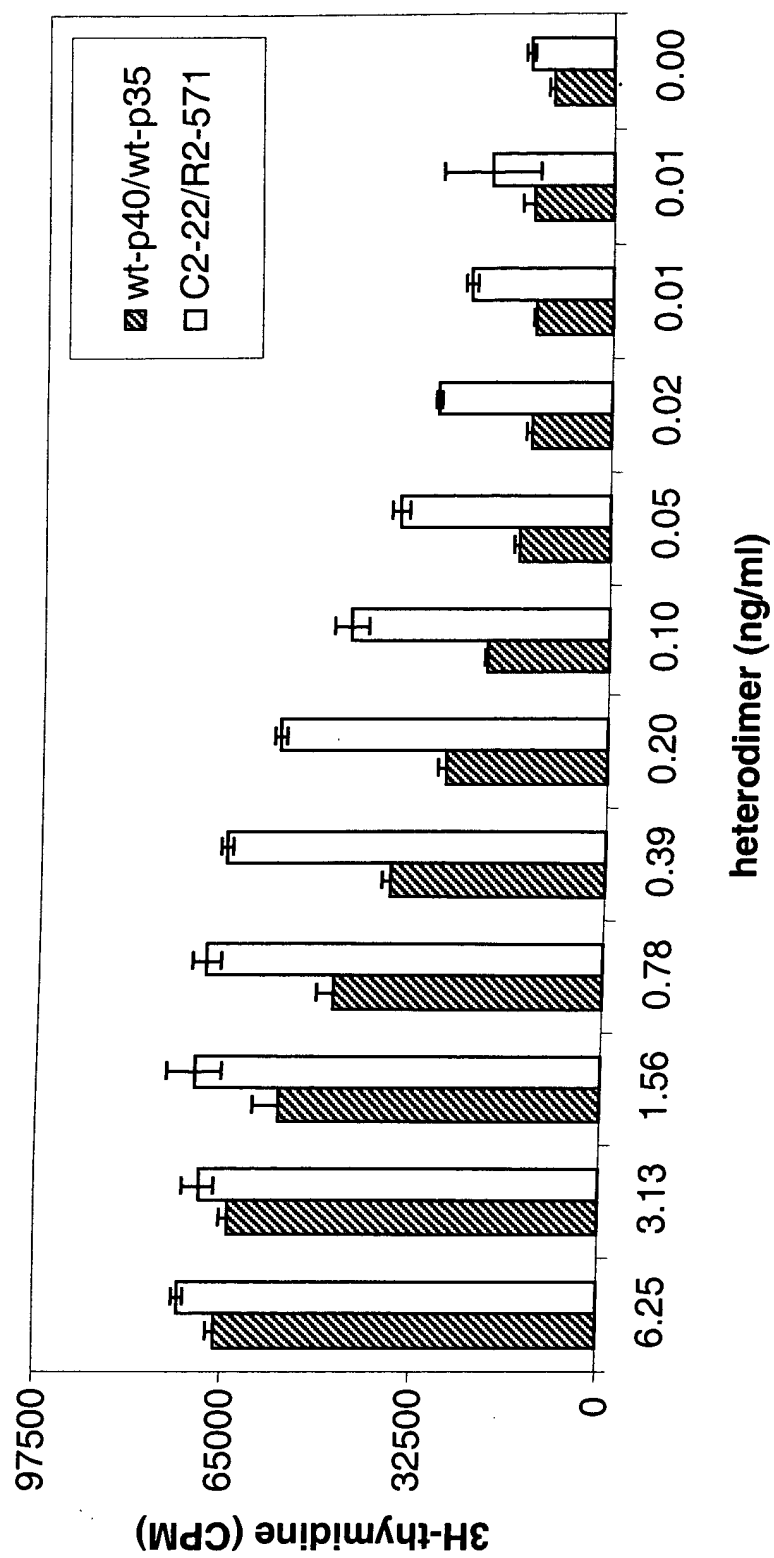


Fig. 12

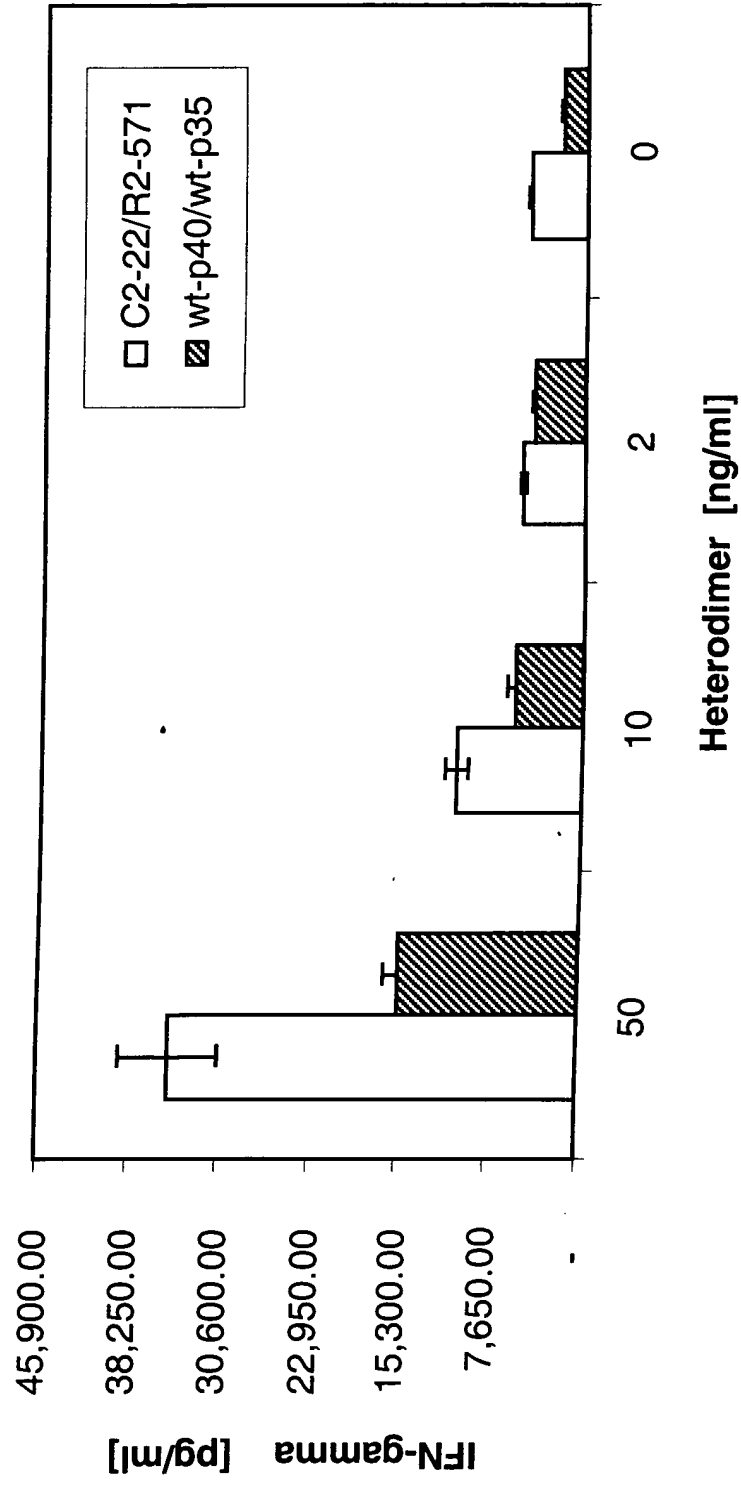


Fig. 13

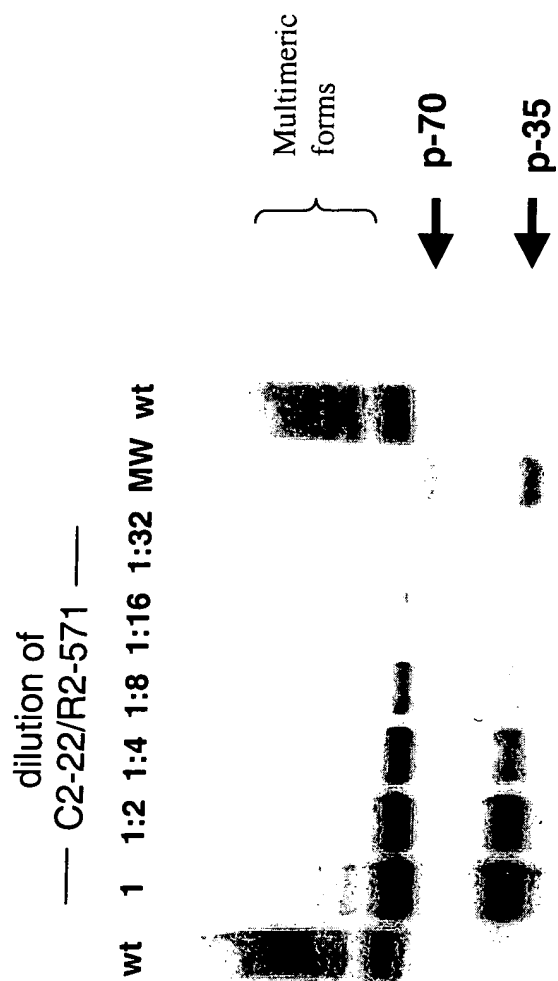


Fig. 14